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NOV 15 2004

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7590 08/11/2004

Ivan S. Kavruk
Cooper & Dunham LLP
1185 Avenue of the Americas
New York, NY 10036

11/16/2004 MBEYEN2 00000164 033125 10006435

01 FC:1504	300.00 OP
02 FC:8001	12.00 OP
03 FC:250	APPLICATION NO 12.00 DA FILING 673100 OP

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Paul Teng, Reg. No. 40,837	(Depositor's name)
<i>Paul Teng</i>	(Signature)
November 11, 2004	(Date)

10/006,435	12/04/2001	Shih-Yuan Wang	0980/65847-A	2793
FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		

TITLE OF INVENTION: SEMICONDUCTOR OPTICAL AMPLIFIER USING LASER CAVITY ENERGY TO AMPLIFY SIGNAL AND METHOD OF FABRICATION THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665-685	\$300	\$965-985	11/12/2004
EXAMINER		ART UNIT	CLASS-SUBCLASS		
HELLNER, MARK		3663	359-344000		

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.
2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1. Cooper & Dunham LLP
 2. _____
 3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

GAZILLION BITS, INC.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

SAN JOSE, CALIFORNIA

Please check the appropriate assignee category or categories (will not be printed on the patent): individual corporation or other private group entity government

4a. The following fee(s) are enclosed:

- Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies Four

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 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 03-3125 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
 b. Applicant is not claiming SMALL ENTITY status. See, e.g., 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

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(Authorized Signature)

(Date)

November 11, 2004

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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